

Analyte	MCLG (µg/L)	MCL (µg/L)	HMDW-002-02A	
SampleType			HMDW-002	
Matrix			Groundwater	
Metals (ug/L)				
Aluminum			20.0	UJ
Antimony		6	0.050	U
Arsenic*	0	10	29.1	
Barium	2000	2000	132	J
Beryllium	4	4	0.5	U
Cadmium	5	5	0.050	U
Calcium			71800	
Chromium	100	100	1.0	U
Cobalt			1.0	U
Copper	1300	1300	2.1	J
Iron			27800	
Lead	zero	15	0.050	U
Magnesium			21400	
Manganese			2560	
Mercury	2	2	0.2	U
Nickel			2.0	U
Potassium			6320	
Selenium	50	50	0.200	U
Silver			1.0	U
Sodium			67000	
Thallium*	0.5	2	0.050	U
Zinc			20.2	J
Vanadium			0.683	J

Note:

MCL -	Maximum Contaminant Level as listed by U.S. EPA under the National Primary Drinking Water Regulations
MCLG -	Maximum Contaminant Level Goal as listed by U.S. EPA under the National Primary Drinking Water Regulations
mg/L	milligrams per liter
µg/L -	micrograms per liter
HMDW -	Residential well sample identification number (Humbolt Mill Drinking Water)
02A	Sample Identification with suffix 02A represent unfiltered samples
U	The analyte was not detected above the method detection limit (MDL). This table lists MDL values for all U flagged analytes
J	The analyte was positively identified; the numerical value is an approximate concentration of the analyte in the sample
M -	A matrix effect was present
* -	Updated values for arsenic and thallium obtained from "Basic Information about Regulated Drinking Water Contaminants and Indicators" http://water.epa.gov/drink/contaminants/basicinformation/

ANALYTICAL REPORT



ECOLOGICAL CONSULTING AND
ENVIRONMENTAL LABORATORY SERVICES

WHITE WATER ASSOCIATES, INC.

Client: OTIE

WWA Job #: 39625

Project: Humboldt Mill

Sample Matrix: Water

Date Received: 3/22/2012

Date Reported: 4/11/2012

Sample Results

Sample No. / ID / Description	Result	Flags	Units	Date	Method	MDL	MQL
39625-011 / HMDW-002-02A							
General Chemistry Parameters							
Chloride	220		mg/L	3/26/2012	325.2	6	20
Fluoride	ND		mg/L	4/6/2012	300.0	0.006	0.050
Hardness	270		mg/L	4/4/2012	2340B	0.3	1.3
Nitrate-N	ND		mg/L	3/27/2012	4500F	0.10	0.20
Nitrite-N	0.01 J		mg/L	3/23/2012	353.2	0.01	0.02
Sulfate	34		mg/L	3/27/2012	375.4	6.0	12
Trace Metals - Dissolved							
Sodium (d)	63		mg/L	4/4/2012	SM3120B	0.15	0.30

EPA methods reported are all for drinking water and are equivalent to the SM methods.

ND = Not Detected, MDL = Method Detection Limit, MQL = Method Quantitation Limit,
ppm = mg/l (liquid) or mg/kg (solid), ppb = ug/l (liquid) or ug/kg (solid)

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